

MAT-8026US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shinji Fukushima : Art Unit: 2834
Serial No.: 09/701,226 : Examiner: P. Cuevas
Filed: February 9, 2001 : Expedited Procedure
For: BRUSHLESS MOTOR HAVING : 37 C.F.R. § 1.116
ISOSCELES SIDED STATOR :
COILS AND POSITION :
DETECTION CAPABILITY :

AMENDMENT UNDER 37 C.F.R. § 1.116

Assistant Commissioner for Patents

Box AF

Washington, DC 20231

S I R :

Responsive to the Final Official Action dated **June 13, 2002**, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claim 1 with the following amended claim:

- 1 1. (Three Times Amended) A brushless motor comprising:
2 a rotor with a permanent magnet having P (P is an integer not less than two)
3 polarities, the permanent magnet polarities having a polarity angle of $360/P$ degrees;
4 and
5 a stator facing said rotor and having a plurality of coils,
6 wherein any one of the coils has isosceles sides interlinking with a magnetic
7 field generated by the polarities, extension lines of the isosceles sides extending
8 along centers of winding-bundles of the coil, crossing each other at a shaft center
9 and having a vertex angle of $360/P$ degree, the vertex angle being equal to the
10 polarity angle of $360/P$ degrees based on the permanent magnet.

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